HADDINGTON DYNAMICS

Haddington Dynamics is the creator of *Dexter*, a high-precision, high-performance 3D-printed haptic robot powered by an FPGA supercomputer. Dexter is designed as an open source global resource that radically bends cost curves, and empowers society to redefine how humans use and interact with robots. Dexter has a 670cm reach, 1kg payload and 50µm repeatability.

First Shipments
Dexter has left the building

It's always exciting to see your child go off to college. The first Dexter kit left on a plane to New York Institute of Technology. The team at Haddington has been impressed at the school's vision for the cross disciplinary use of the Dexter Platform. Matt Cornelius, NYIT Motion Capture Director and Director of Art Media Technology, has been an advocate of Dexter since World Maker Faire in 2015. Dexter will be used in their Biomedical Sciences, HIVE Media Lab and Architecture disciplines.

The team at Haddington looks forward to working with this pioneering institute.

That Dexter off to college is not the only Dexter to leave the building. A fully assembled Dexter has aspirations to be a film star. Dexter is currently being trained by the wonderful Youtuber named Jerry Berg, whose show is called [Barnacules Nerdgasm](#).

Jerry's prolific videos in the Maker sphere focused on 3D printing make him a great first 'dad' outside of the Haddington Family. Jerry was a coder and developer at Microsoft for 15 years. His knowledge base has already helped us debug some start up flaws.

We look forward to seeing what Jerry has Dexter do. It will be a fun ride for all.

KICKSTARTER FEBRUARY 15, 2017
We did it our way

Finding creative investors when you need to leverage Open Source to build a community is a tough sled. But boy does this feel right. Going with crowd funding fits right in line with our vision.

The rewards will range from Dexter Kits (with and without printed parts), fully assembled robots and a range of education packages covering assembly, programing and culminating in everything you need to set up your own robot factory (assembly process, supply chain, robot programing).

Our objective is to empower people to build, develop and grow their own automation business.

FEBRUARY 14, 2017
EVERYTHING WILL BE OPEN SOURCE
Dexter's gift of love to the community.
[Onshape](#) will have all the CAD files
[GitHub](#) will have all the source code
[Thingiverse](#) will have all the STL files
There will be links to all of these at
www.hdrobotic.com

New Videos are up!
http://hdrobotic.com/videos/

Dexter Development Environment (DDE): a tutorial of using our Master Control Program.

Garage Day videos: A key one is the basic functions of Dexter. This goes into detail of what's happening in Dexter's "brain".

There will be more videos posted as we get closer to the Open Source date, including B-Reel footage of assembly.

Write to us and tell us what end-effectors you would like first!
developer@hdrobotic.com

Where have we been?
Tails from the Open Source trail.

We've been quiet on communication the past year and thought you deserved some information as we would like to get you as an early adopter

Recap: Haddington was working with an investor. There was an 8-month battle between patenting everything or staying the course to Open Source. We were offered a great valuation and lots of money. But in October, we walked away because they did not embrace Open Source as a fundamental feature of a disruptive technology rollout. While the negotiations continued, we put a great deal of effort into creating an easy to use and powerful JavaScript programming environment, Dexter Development Environment (DDE).

WHY Open Source? We have advanced technology and we are neck deep in "the Innovators Dilemma". We need a friction free adoption mechanism to create a network effect to get the means of production into the maximum number of hands as fast as possible. Open Source is the foundation that brings the concept of the sharing economy to technology development.

We believe this advancement of merging supercomputing and robotics is a fundamental enabler of a new economy and should belong to all people. High performance and high precision at low cost is just the beginning. By equipping people with this new toolset we hope to create a community that enthusiastically embraces participating in this new economy.

We look forward to collaborating with you.

Dexter is the 'factory' for everyone else.

We have taken 3D printing to production level components by strengthening the 3D parts with Carbon Fiber reinforcers and metal.